SUPPLEMENTAL SITE INVESTIGATION COMPLETION REPORT^{1, 2}

TABLE OF CONTENTS

F	ΧF	\mathbf{C}	דוו	٦I	/ F	SI	I٨	٨N	Λ	R١	V
	ΛΕ		υı	١.	/ ⊏	OL	JΙV	/11\	/1/~	· _	I

1.0	INTRODUCTION					
	1.1	Supplemental Site Investigation (SSI) Objectives	1-1			
	1.2	Scope of Work	1-2			
	1.3	SSI Report Format	1-4			
2.0	SUMMARY OF SITE BACKGROUND					
	2.1	Site Description and Location	2-1			
	2.2	Preliminary Endangerment Assessment (PEA)	2-2			
3.0	SAM	PLING ACTIVITIES AND RESULTS	3-1			
	3.1	Summary of Activities				
		3.1.1 Boring Clearance	3-1			
		3.1.2 Geophysical Survey	3-2			
	3.2	Soil Gas Sampling and Analysis	3-2			
		3.2.1 Sampling Locations and Rationale	3-2			
		3.2.2 Sample Collection Procedures	3-2			
		3.2.3 Sample Handling Procedures	3-3			
		3.2.4 Soil Gas Analytical Procedures	3-3			
		3.2.5 Soil Gas Survey Results Using Modified EPA Method 8260B	3-3			
	3.3	Soil Matrix Sampling and Analysis	3-4			

SSI Report - 1 Model RAW

	3.3.1	Sample Locations and Rationale	3-4
	3.3.2	Sample Collection Procedures	3-4
		3.3.2.1 Soil Description	3-4
		3.3.2.2 Decontamination	3-4
		3.3.2.3 Collection of Field Equipment Blank Samples	3-4
	3.3.3	Sample Handling Procedures	3-4
	3.3.4	Soil Matrix Analytical Procedures	3-5
	3.3.5	Soil Matrix Analytical Results	3-5
		3.3.5.1 Semi-Volatile Organic Compounds (Semi-VOCs)	3-5
		3.3.5.2 Polychlorinated Biphenyls (PCBs)	3-6
		3.3.5.3 Organochlorine Pesticides (OCPs)	3-6
		3.3.5.4 Metals	3-6
3.4	Grour	ndwater Sampling and Analysis	3-7
	3.4.1	Sampling Locations and Rationale	3-7
	3.4.2	Sample Collection Procedures	3-7
	3.4.3	Sample Handling Procedures	3-7
	3.4.4	Groundwater Analytical Procedures	3-7
	3.4.5	Groundwater Analytical Results	3-8
		3.4.5.1 Volatile Organic Compounds (VOCs)	3-8
		3.4.5.2 Total Petroleum Hydrocarbons (TPHs)	3-8

SSI Report - 2 Model RAW

	3.4.5.3 Metals	3-8		
3.5	Disposal of Investigation Derived Wastes	3-9		
3.6	Discussion of Results	3-9		
RISK EVALUATION				
4.1	Pre-SSI Risk Evaluation and Endangerment Determination	4-1		
4.2	Post SSI Risk Reassessment	4-2		
QUAI	LITY ASSURANCE PROJECT PLAN (QAPP) IMPLEMENTATION	5-1		
HEAL	TH AND SAFETY PLAN (HASP) IMPLEMENTATION	6-1		
FIELD VARIANCES				
CONCLUSIONS AND RECOMMENDATIONS 8				
REFERENCES				
ES				
Summary of Soil Gas Survey Results Summary of Soil Matrix Analytical Results (Semi-VOCs) Summary of Soil Matrix Analytical Results (PCBs) Summary of Soil Matrix Analytical Results (OCPs) Summary of Soil Matrix Analytical Results (Metals) Summary of Groundwater Analytical Results (VOCs) Summary of Groundwater Analytical Results (TPHs) Summary of Groundwater Analytical Results (Metals)				
RES				
Site F Site F	Plan Map Plan Map with PEA and SSI Sample Locations Plan Map with PEA Sampling Results			
	3.6 RISK 4.1 4.2 QUAL HEAL FIELE CONG REFE ES Sumr Sumr Sumr Sumr Sumr Sumr Sumr Sum	3.5 Disposal of Investigation Derived Wastes 3.6 Discussion of Results RISK EVALUATION 4.1 Pre-SSI Risk Evaluation and Endangerment Determination 4.2 Post SSI Risk Reassessment QUALITY ASSURANCE PROJECT PLAN (QAPP) IMPLEMENTATION HEALTH AND SAFETY PLAN (HASP) IMPLEMENTATION FIELD VARIANCES CONCLUSIONS AND RECOMMENDATIONS REFERENCES ES Summary of Soil Gas Survey Results Summary of Soil Matrix Analytical Results (Semi-VOCs) Summary of Soil Matrix Analytical Results (PCBs) Summary of Soil Matrix Analytical Results (Metals) Summary of Groundwater Analytical Results (TPHs) Summary of Groundwater Analytical Results (Metals) Summary of Groundwater Analytical Results (Metals) Summary of Groundwater Analytical Results (Metals)		

SSI Report - 3 Model RAW

DTSC SSI Workplan Approval Letter or Comments on Scoping Document

APPENDICES

Α

- B Manifests and IDW Waste Data Forms
- C Laboratory Reports and Chain of Custody Documentation
- D Health Risk Evaluation
- E Field Records and Site Photographs
- F Physical Properties Data
- G Boring Logs

NOTES for SSI Reports:

- 1. A SSI Report should be prepared when the SSI concludes that "No Further Action" is necessary. The SSI Report will become a decision-making document.
- 2. If a removal action or cleanup is anticipated, the SSI Report may be abridged in the form of a SSI Summary Report and submitted to DTSC for review and concurrence. The SSI Summary Report should include a summary of sampling activities, analytical results, all laboratory reports, and risk assessment calculations. If DTSC concurs with the recommendation, a proper Removal Action Workplan (RAW) or Remedial Action Plan (RAP) should be prepared and submitted to DTSC for review and approval.

SSI Report - 4 Model RAW